

IN THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claim 1 (canceled).

Claim 2 (currently amended): The device as recited in claim 4 3 further comprising a controller sending electronic signals to the electromechanical actuator for opening and closing the first gripper.

Claim 3 (currently amended): ~~The device as recited in claim 1 further comprising A device for removing folded signatures from a saddle-back conveyor comprising:~~

a rotating arm rotating a full rotation;

a first gripper mounted on the moving arm;

an electromechanical actuator connected to the first gripper for opening and closing the first gripper, the electromechanical actuator being mounted on the moving arm; and

a slip contact mounted on the moving arm and electronically connected to the electromechanical actuator.

Claim 4 (canceled).

Claim 5 (currently amended): The device as recited in claim [[4]] 3 wherein the first gripper is mounted rotatably on the rotating arm and remains in a horizontal orientation relative to a spine of the signatures during a full rotation of the rotating arm.

Claim 6 (currently amended): The device as recited in claim [[4]] 3 further comprising a second gripper located on the rotating arm opposite the first gripper.

Claim 7 (canceled).

Claim 8 (currently amended): The device as recited in claim [[7]] 10 wherein the cylinder is a pneumatic cylinder and the electromechanical actuator further includes an electronic control valve for providing air to the pneumatic cylinder.

Claim 9 (original): The device as recited in claim 8 wherein the electronic control valve is a solenoid control valve.

Claim 10 (currently amended): The device as recited in claim 7 wherein A device for removing folded signatures from a saddle-back conveyor comprising:

a rotating arm rotating a full rotation;

a first gripper mounted on the moving arm;

an electromechanical actuator connected to the first gripper for opening and closing the first gripper, the electromechanical actuator being mounted on the moving arm; and

the first gripper having a first gripper part and a second gripper part movable with respect to the first gripper part for gripping the signature,

the electromechanical actuator including a pneumatic cylinder with a linkage connected to the second gripper part for moving the second gripper part,

the first gripper is being mounted on the arm at a first axis, and the pneumatic cylinder is being fed air via an air conduit entering the pneumatic cylinder at the first axis.

Claim 11 (canceled).

Claim 12 (currently amended): The device as recited in claim 11 further comprising A device for removing folded signatures from a saddle-back conveyor comprising:

a rotating arm moving in a reciprocating or rotational movement rotating a full rotation;

a first gripper mounted on the moving arm;

an electromechanical actuator connected to the first gripper for opening and closing the first gripper, the electromechanical actuator being mounted on the moving arm;

a controller for providing electronic signals to the electromechanical actuator so as to direct the electromechanical actuator to open or close the first gripper during the reciprocating or rotational movement; and

an electronic slip contact located on the moving arm and connected electronically to the electromechanical actuator and to the controller.

Claim 13 (currently amended): The device as recited in claim ~~44~~ 12 wherein the controller is capable of setting a position of the gripper over a full range of the reciprocating or rotational movement.

Claim 14 and 15 (canceled).

Claim 16 (currently amended): A signature transport device comprising:
a saddle-back conveyor; and
the device according to claim ~~4~~ 3.